

Project Report

On
MEDICARE

Submitted by

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CERTIFICATE

This is to certify that the project work titled “**MEDICARE**” is a bonafied project work submitted by N.Rama Nikitha and D.Nandini in the department of COMPUTER SCIENCE AND ENGINEERING in partial fulfillment of requirements for the award of degree of Bachelor of Technology in Computer science and engineering for the year 2020-2021 carried out the work under the supervision

GUIDE
N.CHANDRA SHEKHAR

HEAD OF THE DEPARTMENT
P.HARINADHA

ACKNOWLEDGEMENT

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My sincere thanks to all the members who helped me directly and indirectly in The completion of project work. I express my profound gratitude to all our Friends and family members for their encouragement.

ABSTRACT

The main purpose of the “Online Medical Store Automation System” is to automate the existing manual system with the help of latest technologies and full-fledged computer software. It meet the needs of people by fulfilling their requirements, and we can also store their data for longer period and can be access easily when required. The software and hardware used in developing this system are easily avaiable and easy to work with.

The online medical store system mentioned above is fast, error free, reliable and secure management system. User can buy Medicines from anywhere which saves time and work. It assists user to register first with some details and then to login. Their details are kept recorded in database and can't be shared. The system avoid redundant entries. User can order medicines whenever needed. The selected items are added to cart and the total amount is calculated. Before checking out user nedd to give delivery address.

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INTRODUCTION

The following sections provide the complete description about Software Requirement Specification Document.

Purpose

The Software Requirements Specification will provide the detailed description of the requirements for the Online Medical Store Automation System. The SRS will give complete understanding the project and its functionality. The SRS document describes the functional and non-functional requirements for the Online Medical Store Automation Software. Through this developers will know the correct software to be developed for the end user. The SRS is the foundation of the project.

The SRS can be used by Software Enginners to fully understand the requirements of customer or end user. And end users can use this SRS for testing, so that they check weather the developers meet the customer requirements. If the software didn't meet their requirements they can specify on which area the error is.

Scope

This Online Medical Store system manages the manual medical store operation. The first subsystem is to keep record of the stock of the medicines available and expiry date of the medicines. The second subsystem is for billing and keep record of the customer. It is the complete medical shop management software is so designed as to ease the work load of medical shop professionals. The main feature includes invoicing, inventory and stock control, accounting, client and vendor management.

This software helps you to track all the profit, loss, profitable clients and products of medical shop moreover it's a medical shop accounting software. Flexible and adaptive software suited to medical shops or stores or pharmacies of any size.

Intended Audience

The intended audience are Customers/Patients/Online users.

Overall Description:

Describes the general factors that affect the product and its requirements.

Product perspective:

Online medical store automation system is a software ,which is being developed to purchase medicines for the users according to their requirements.

Product Features:

- User Registration:
 - Any user who want to buy the medicines can register with their details like Name, Gender, Email, Contact Number.
 - Then they can login with the email and password.
- User login:
 - Whenever user wants to shop they can login here.
 - They can login he/she should enter user name and password. The website provides login facility to the users.
- Buy Medicine:
 - Under the Products tab users can select the medicines they need and add to cart.
 - Then they can go to cart tab here the total billing will be done.
 - Here they can also enter the quantity of each product.
 - Then they can checkout.
 - At checkout page user need to enter the delivery address, sothat the product can be delivered to it.
- About:
 - It contains about the main aim of this system and it tells user about their system.
- Contact us:
 - Here the customer can contant to the manager.
 - If any problem to the users like exchange medicine or order didn't recevied they can contact.

User Characteristics:

- **Manager:**
Manager will be able to do anything they want like adding or removing medicine and provide ability to buy them, removing Customers, deciding price.
- **Customer/user:**
Users can set their user name and password and user can search required medicine by exploring and buy medicine.

Operating Environment:

- Operating System : Ubuntu or Windows
- Technologies used :
Front-End : HTML,CSS,BootStrap
Back-End : MySQL, PHP.

REQUIREMENT SPECIFICATION:

This section contains all the software requirements that when combined with the system context diagram, use cases, and use case descriptions, is sufficient to enable designers to design a system to satisfy those requirements, and testers to test that the system satisfies those requirements.

Hardware requirement:

The Software will run on all basic configuration systems.

Software requirement:

Front End	HTML, CSS, BOOTSTRAP
Server Side Language	PHP
Database Server	MYSQL
Web Browser	Chrome, FireFox
Operating System	Windows, Ubuntu
Web Server	XAMPP

- **XAMPP** is a local web server on your computer. It stands for cross-platform, Apache, MYSQL, PHP and Perl.
- Cross-platform means it can be used in different platforms like windows, ubuntu and Mac.

APACHE

- The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows.
- The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.
- The Apache HTTP Server was launched in 1995 and it has been the most popular web server on the Internet since April 1996.

MYSQL

- MYSQL is a database server
- MYSQL is ideal for both small and large applications
- MYSQL supports standard SQL
- Used to store, retrieve, update, delete the user data.
- To access MySQL: <http://localhost/phpmyadmin>

PHP

- PHP stands for PHP: Hypertext Preprocessor.
 - PHP is a server-side scripting language, like ASP.
 - PHP scripts are executed on the server.
 - PHP supports many databases (MYSQL, Informix, Oracle, Sybase, Solid, Generic ODBC, etc.).
 - PHP is an open source software.
 - PHP is free to download and use.
-
- And inorder to access the Online Medical Store System through local webserver, we need to start Apache and Sql in Xampp and access this link http://localhost/project_name

External Interface Requirements:-

User Interface:

Using Online medical store automation website

- User can register
- User can login
- User can place order
- User can receive order
- User can logout

Hardware Interface: No hardware interfaces

Software Interface:

Operating system : Windows, Ubuntu

Technologies used : HTML, CSS, MySQL, BootStrap, PHP.

Communication Interface:

If any changes made by the administrator like adding new medicines or new info about the online medical store automation system will be automatically updated in our website.

Functional Requirements

Functional requirements define the fundamental actions that system must perform.

The functional requirements for the system are User registration, Medicine stock, Customer information and billing and Sale and supplier information.

Customer

All users can create an account that is used to store user data and tie user actions to a user alias.

User registration and login shall be mandatory.

Create an Account

- The system should provide the user with an easy to use GUI to facilitate their creating an account.
- The system shall ask for an email address and password.
- The system shall notify the user if incorrect characters are used in the email or password fields.
- The system should notify the user if their email has already been used.
- The system should notify the user if any required fields are left empty.
- The system should explain how the submitted password is unsecure.
- The system should prompt the user for their email address and password while login.

Buy Products

Users can login with their credentials and choose products to buy. At first they can add to cart and select the quantity then the billing will be done. While checking out they need to specify the delivery address.

Non-Functional Requirements:-

Performance:

High level of performance is required as n number of people can use it at the same time. Anyone who is accessing this application should get the data required quickly from the database based on their request.

- The load time for user interface screens shall take no longer than ten seconds.
- The log in information shall be verified within five seconds.

Reliability:

There should be no errors while user was using or this website, all operations should run smoothly for better performance. User should get appropriate information related to medicines and health products available.

Security:

This software provide more secured in order to save confidential data from hackers as it consists of sensitive information related to their health.

Availability:

This software should provide 24/7 access to the customer. Manager and Doctor can also access this software at any time to check the medicines stock.

Platform Compatibility:

This software should work on any kind of browser as it is a web application.

Maintainability

The Medical Store Management System is a website. It shall be easy to maintain.

Portability

The Medical Store Management System shall run in any Linux or Windows environment that contains database.

DESIGN INTRODUCTION:

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. Once the software requirements have been analyzed and specified the software design involves FOUR technical activities - design, coding, implementation and testing that are required to build and verify the software.

The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system.

Design is the only way to accurately translate the customer's requirements into finished software or a system. Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data.

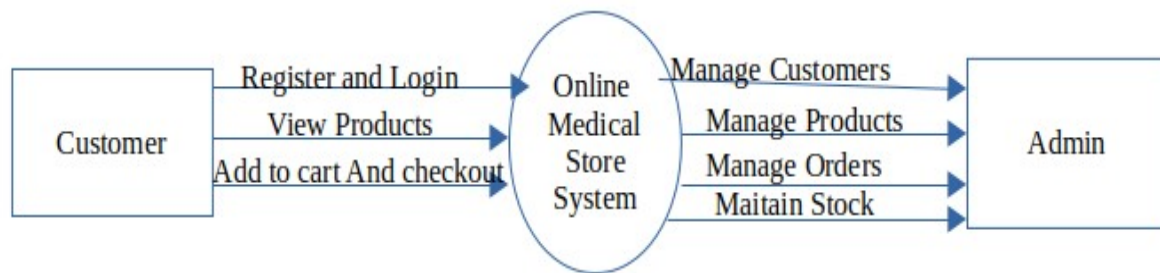
UML Diagrams:

UML stands for Unified Modeling Language. UML is a language for specifying, visualizing and documenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built. The representation of the entities that are to be used in the product being developed need to be designed.

1. CONTEXT DIAGRAM:

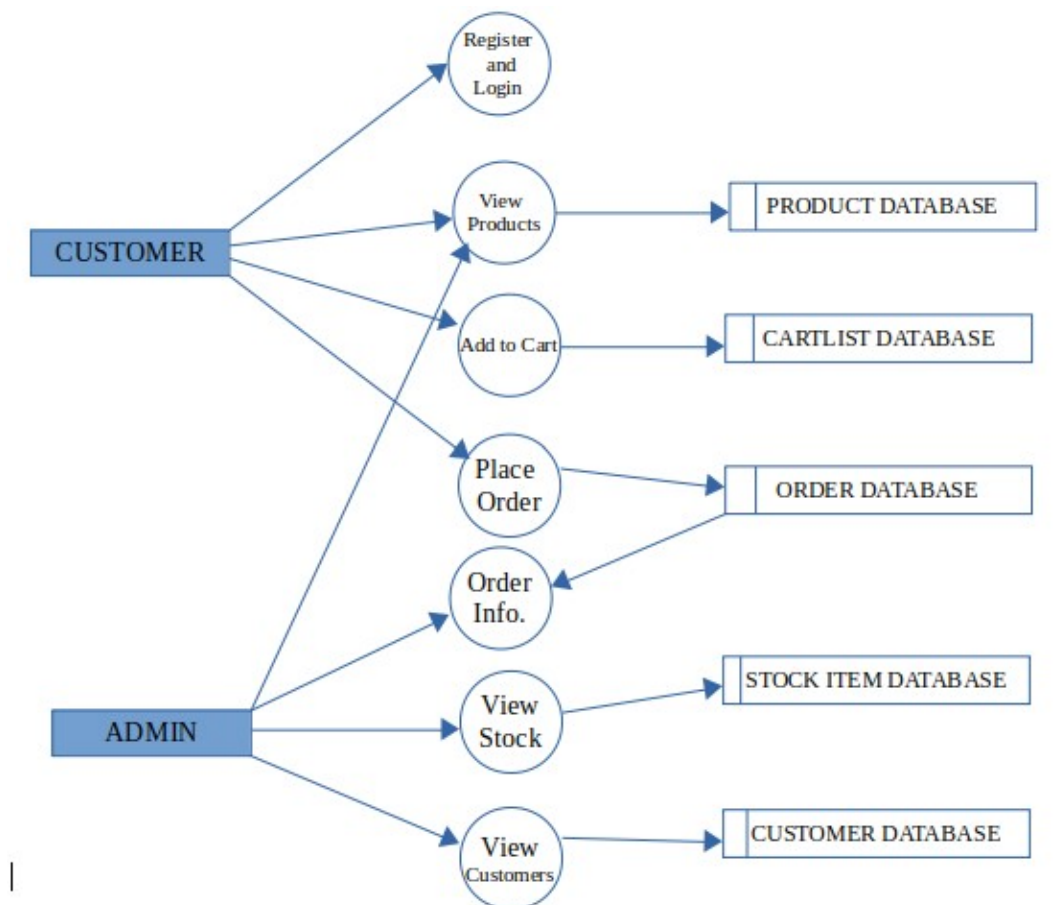
DFD Level 0 is also called a Context Diagram. It's a **basic overview of the whole system or process being analyzed or modeled**. It's designed to be an at-a-glance view, showing the system as a single high-level process, with its relationship to external entities.

DFD LEVEL 0 :



DFD LEVEL-1 :

DFD Level 1 provides a more detailed breakout of pieces of the Context Level Diagram. You will highlight the main functions carried out by the system, as you break down the high-level process of the Context Diagram into its subprocesses. And the databases used are also represented.



2. USECASE DIAGRAM:

Actor:

A coherent set of roles that users of use cases play when interacting with the use cases an observable result of value of an actor.

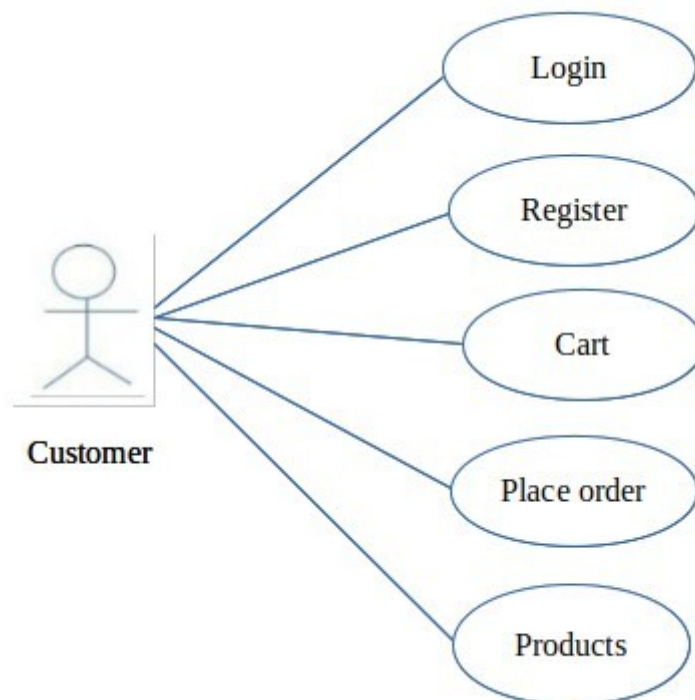


Action:

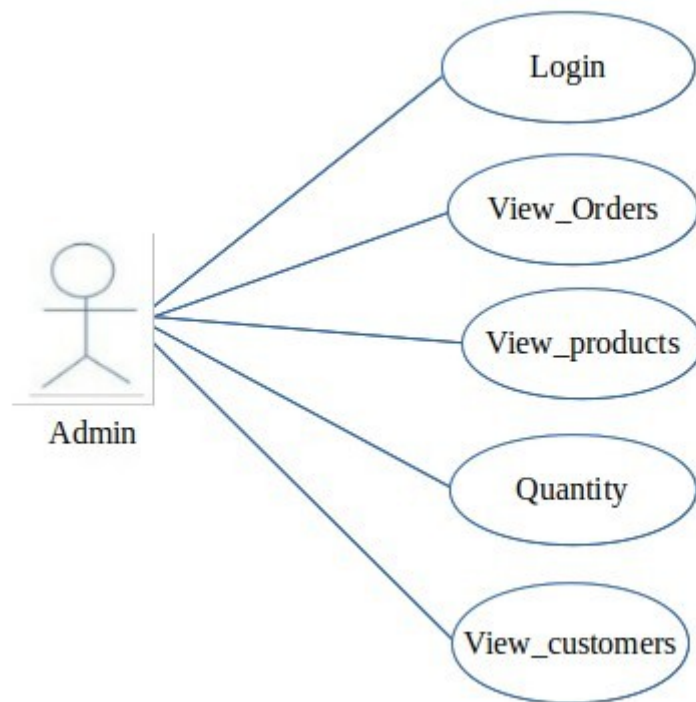
A description of sequence of actions, including variants, that a system performs yields an observable result of value of an actor. Diagram is drawn in a eclipse shape.



CUSTOMER:



ADMIN :



3. ER Diagram:

The Entity-Relationship (ER) model was originally proposed by Peter in 1976 [Chen76] as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer, the utility of the ER model is: It maps well to the relational model.

The constructs used in the ER model can easily be transformed into relational tables. It is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user. In addition, the model can be used as a design plan by the database developer to implement a data model in specific database management software.

ER Notation

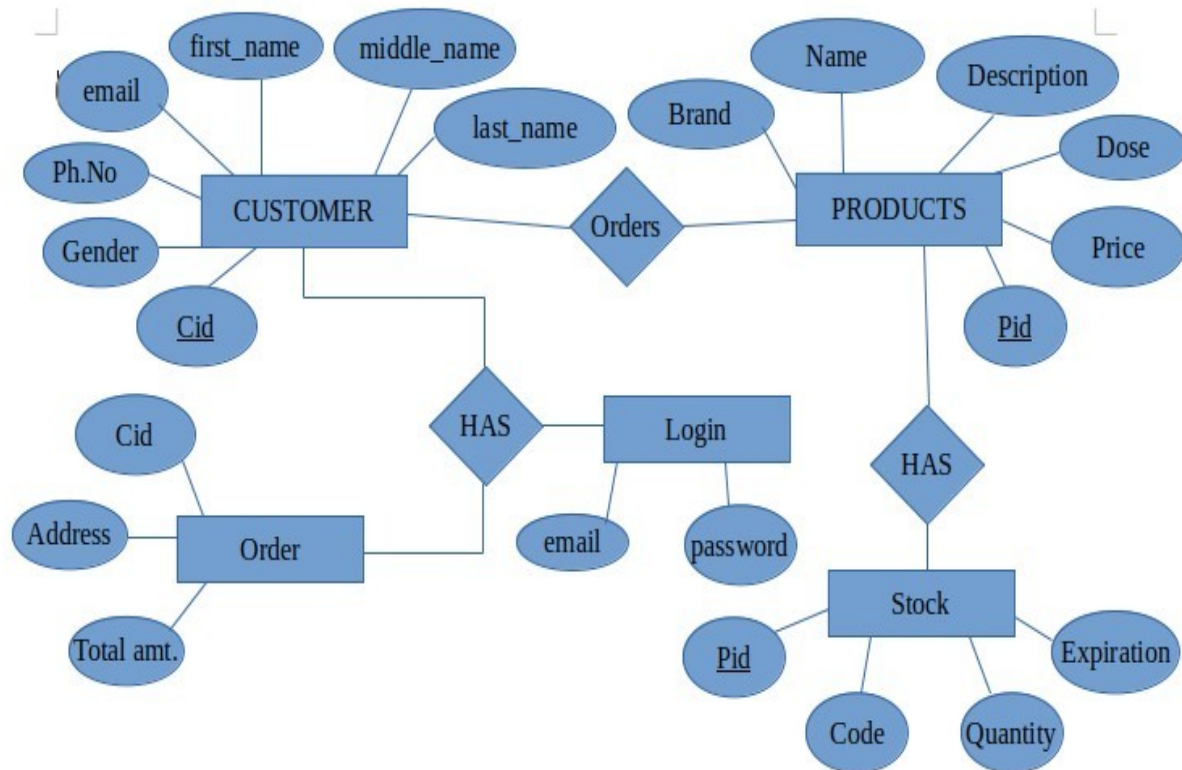
There is no standard for representing data objects in ER diagrams. Each modeling methodology uses its own notation. The original notation used by Chen is widely used in academics texts and journals but rarely seen in either CASE tools or publications by non-academics. Today, there are a number of notations used; among the more common are Bachman, crow's foot, and IDEFIX. All notational styles represent entities as Rectangular boxes and relationships as lines connecting boxes. Each style uses a special set of symbols to represent the cardinality of a connection. The notation used in this document is from Martin. The symbols used for the basic ER constructs are:

Entities are represented by labeled rectangles. The label is the name of the entity. Entity names should be singular nouns.

Relationships are represented by a solid line connecting two entities. The name of the relationship is written above the line. Relationship names should be verbs. Attributes, when included, are listed inside the entity rectangle. Attributes which are identifiers are underlined. Attribute names should be singular nouns.

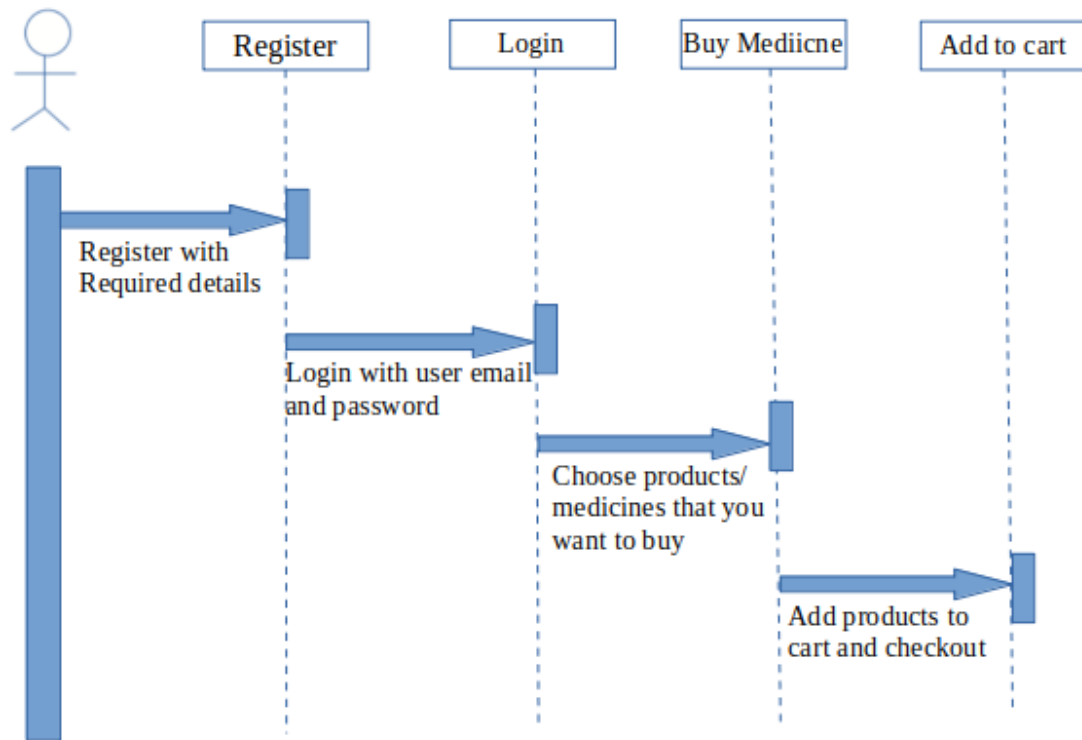
Cardinality of many is represented by a line ending in a crow's foot. If the crow's foot is omitted, the cardinality is one. Existence is represented by placing a circle or a perpendicular bar on the line.

ER DIAGRAM:



4. SEQUENCE DIAGRAM

The purpose of sequence diagram is to show the flow of functionality through a usecase. In other words, we call it mapping process in terms of data transfers from the actor through the corresponding objects.

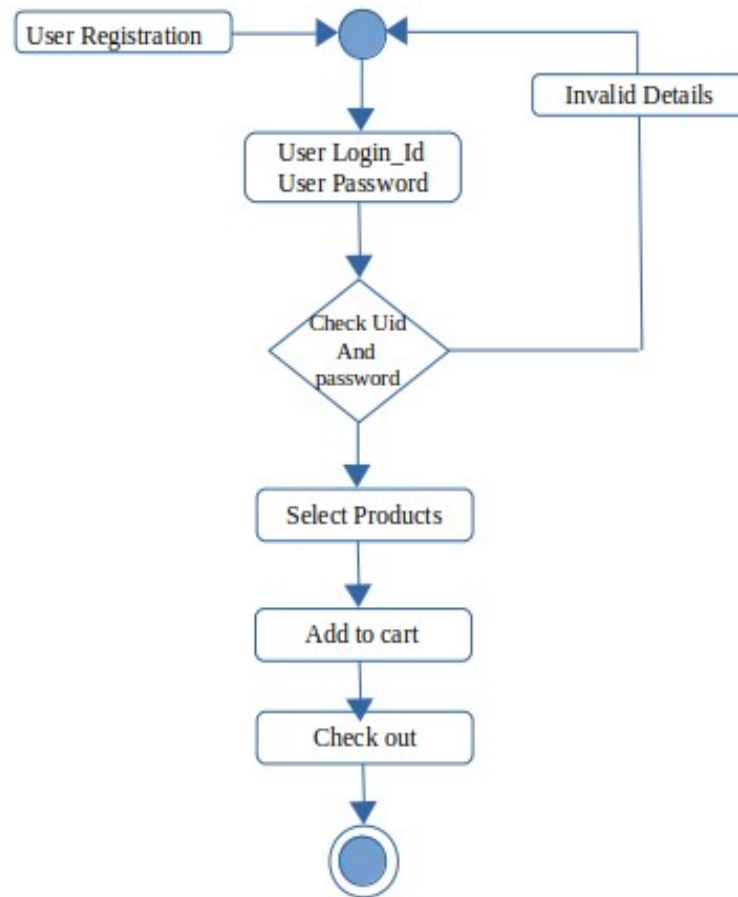


5. ACTIVITY DIAGRAM:

Activity diagram is another important diagram in UML to describe the dynamic aspects of the system. Activity diagram is basically a flowchart to represent the flow from one activity to another activity. The activity can be described as an operation of the system.

The control flow is drawn from one operation to another. This flow can be sequential, branched, or concurrent. Activity diagrams deal with all type of flow control by using different elements such as fork, join, etc

Start of a process mentioned with filled circle and activities are represented with rectangles, Condition checks are represented with rhombus and the termination is represented with double lined filled circle.



CODING:

The next process after the Design is Coding. Developers after getting the complete Design document they start Coding as per requirement. The coding phase includes system design in an integrated development environment. It also includes static code analysis and code review for multiple types of devices.

index.php :

```

<!DOCTYPE html>
<html lang="en">
<title>Medicare</title>
<?php require_once('inc/header.php') ?>
<body>
<?php require_once('inc/topBarNav.php') ?>
<?php $page = isset($_GET['p']) ? $_GET['p'] : 'home'; ?>
<?php
if(!file_exists($page.".php") && !is_dir($page)){
include '404.html';
}else{

```

```

if(is_dir($page))
include $page.'/index.php';
else
include $page.'.php';
}
?>
<?php require_once('inc/footer.php') ?>
<div class="modal fade" id="uni_modal_right" role='dialog'>
<div class="modal-dialog rounded-0 modal-full-height modal-md" role="document">
<div class="modal-content rounded-0">
<div class="modal-header">
<h5 class="modal-title"></h5>
<button type="button" class="close" data-dismiss="modal" aria-label="Close">
<span class="fa fa-arrow-right"></span>
</button>
</div>
<div class="modal-body">
</div>
</div>
</div>
</div>
<div class="modal fade" id="viewer_modal" role='dialog'>
<div class="modal-dialog modal-md" role="document">
<div class="modal-content">
<button type="button" class="btn-close" data-dismiss="modal"><span class="fa fa-times"></span></button>
<img src="" alt="">
</div>
</div>
</div>
<div class="modal fade" id="confirm_modal" role='dialog'>
<div class="modal-dialog modal-md modal-dialog-centered" role="document">
<div class="modal-content">
<div class="modal-header">
<h5 class="modal-title">Confirmation</h5>
</div>
<div class="modal-body">
<div id="delete_content"></div>
</div>
<div class="modal-footer">
<button type="button" class="btn btn-primary" id='confirm' onclick="">Continue</button>
<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
</div>
</div>
</div>
</div>
</div>
</body>
</html>

```

topBarNav.php

```

<style>
.user-dd:hover{
color:#fff !important
}
</style>
<nav class="navbar navbar-expand-lg navbar-dark bg-gradient-lightblue">
<div class="container px-4 px-lg-5 ">
<button class="navbar-toggler btn btn-sm" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle
navigation"><span class="navbar-toggler-icon"></span></button>
<a class="navbar-brand" href="/">

```

```


<?php echo "Medicare" ?>
</a>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav me-auto mb-2 mb-lg-0 ms-lg-4">
<li class="nav-item"><a class="nav-link text-white" aria-current="page" href="/">Home</a></li>
<li class="nav-item"><a class="nav-link text-white" href="/?p=products">Products</a></li>
<li class="nav-item"><a class="nav-link text-white" href="/?p=about">About</a></li>
<li class="nav-item"><a class="nav-link text-white" href="/?p=contact">Contact Us</a></li>
<?php
// if($_settings->userdata('id') != " && $_settings->userdata('id') != 2):
// $cart = $conn->query("SELECT SUM(quantity) FROM `cart_list` where customer_id = '{$_settings->userdata('id')}'")->fetch_array()[0];
// endif;
$cart = isset($cart) && $cart > 0 ? $cart : "";
?>
<?php if($_settings->userdata('id') != " && $_settings->userdata('login_type') == 2): ?>
<li class="nav-item"><a class="nav-link text-white" href="/?p=cart_list">Cart <span class="ml-2 badge badge-primary"><?= $cart > 0 ? format_num($cart) : " ?></span></a></li>
<?php endif;?>
</ul>
<div class="d-flex align-items-center">
<?php if($_settings->userdata('id') != " && $_settings->userdata('login_type') == 2): ?>
<div class="btn-group nav-link">
<button type="button" class="btn btn-rounded badge badge-light dropdown-toggle dropdown-icon" data-toggle="dropdown">
<span class="ml-3"><?php echo ucwords($_settings->userdata('firstname')).' '.$_settings->userdata('lastname'))
?></span>
<span class="sr-only">Toggle Dropdown</span>
</button>

<div class="dropdown-menu" role="menu">
<a class="dropdown-item" href="<?php echo base_url.'/classes/Login.php?f=logout_customer' ?>"><span class="fas fa-sign-out-alt"></span> Logout</a>
</div>
</div>
<?php else: ?>
<a class="font-weight-bolder text-light mx-2 text-decoration-none" href="/login.php">Login</a>
<a class="font-weight-bolder text-light mx-2 text-decoration-none" href="/register.php">Register</a>
<?php endif;?>
</div>
</div>
</div>
</nav>
<script>
$(function(){
// $('#search_report').click(function(){
// uni_modal("Search Request Report","report/search.php")
// })
$('#navbarResponsive').on('show.bs.collapse', function () {
$('#mainNav').addClass('navbar-shrink')
})
$('#navbarResponsive').on('hidden.bs.collapse', function () {
if($('body').offset.top == 0)
$('#mainNav').removeClass('navbar-shrink')
})
})

$('#search-form').submit(function(e){
e.preventDefault()
var sTxt = $('[name="search"]').val()
if(sTxt != "")

```

```
location.href = './?p=products&search='+sTxt;
})
</script>
```

home.php

```
<section class="py-3">
<div class="container">
<div class="row">

</div>
</div>
</section>
```

register.php

```
<!DOCTYPE html>
<html lang="en" class="" style="height: auto;">
<?php require_once('inc/header.php') ?>
<script>
start_loader()
</script>
<style>
html, body{
width:100%;
height:100% !important;
}
body{
background-image: url("uploads/cover.png");
background-size:cover;
background-repeat:no-repeat;
backdrop-filter: contrast(1);
overflow-x:hidden
}
#page-title{
text-shadow: 6px 4px 7px black;
font-size: 3.5em;
color: #fff4f4 !important;
background: #8080801c;
}
img#cimg{
height: 5em;
width: 5em;
object-fit: cover;
border-radius: 100% 100%;
}
</style>
<body class="">
<div class="d-flex flex-column align-items-center justify-content-center h-100 w-100">
<h1 class="text-center text-white px-4 py-4" id="page-title"><b><?php echo "Register Here" ?></b></h1>
<div class="col-lg-6 col-md-8 col-sm-12 col-xs-12">
<div class="card card-navy my-2 rounded-0">
<div class="card-header rounded-0">
<h4 class="card-title">Registration</h4>
</div>
<div class="card-body rounded-0">
<form id="register-form" action="" method="post">
<input type="hidden" name="id">
```

```

<div class="row">
<div class="col-lg-6 col-md-6 col-sm-12 col-xs-12">
<div class="form-group">
<label for="firstname" class="control-label">First Name</label>
<input type="text" class="form-control form-control-sm rounded-0" required name="firstname" id="firstname">
</div>
<div class="form-group">
<label for="middlename" class="control-label">Middle Name</label>
<input type="text" class="form-control form-control-sm rounded-0" name="middlename" id="middlename">
</div>
<div class="form-group">
<label for="lastname" class="control-label">Last Name</label>
<input type="text" class="form-control form-control-sm rounded-0" required name="lastname" id="lastname">
</div>
<div class="form-group">
<label for="gender" class="control-label">Gender</label>
<select class="custom-select custom-select-sm rounded-0" required="" name="gender" id="gender">
<option>Male</option>
<option>Female</option>
</select>
</div>
</div>
<div class="col-lg-6 col-md-6 col-sm-12 col-xs-12">
<div class="form-group">
<label for="email" class="control-label">Email</label>
<input type="email" class="form-control form-control-sm rounded-0" required name="email" id="email">
</div>
<div class="form-group">
<label for="contact" class="control-label">Contact</label>
<input type="text" class="form-control form-control-sm rounded-0" required name="contact" id="contact">
</div>
<div class="form-group">
<label for="password" class="control-label">Password</label>
<div class="input-group input-group-sm">
<input type="password" class="form-control form-control-sm rounded-0" required name="password" id="password">
</div>
</div>
<div class="form-group">
<label for="cpassword" class="control-label">Confirm Password</label>
<div class="input-group input-group-sm">
<input type="password" class="form-control form-control-sm rounded-0" required id="cpassword">
</div>
</div>
</div>
</div>
<div class="row">
<div class="col-8">
<a href="/login.php">Already have an Account</a>
</div>
<div class="col-4">
<button type="submit">Create Account</button>
</div>
</div>
</form>
</div>
</div>
</div>
</div>
</body>
</html>

```

login.php

```
<!DOCTYPE html>
<html lang="en" class="" style="height: auto;">
<?php require_once('inc/header.php') ?>
<body class="hold-transition login-page">
<script>
start_loader()
</script>
<style>
body{
background-image: url("uploads/cover.png");
background-size:cover;
background-repeat:no-repeat;
backdrop-filter: contrast(1);
}
#page-title{
text-shadow: 6px 4px 7px black;
font-size: 3.5em;
color: #fff4f4 !important;
background: #8080801c;
}
</style>
<h1 class="text-center text-white px-4 py-4" id="page-title"><b><?php echo "Login Here" ?></b></h1>
<div class="login-box">

<div class="card card-navy my-2">
<div class="card-body">
<p class="login-box-msg">Please enter your credentials</p>
<form id="ulogin-form" action="" method="post">
<div class="input-group mb-3">
<input type="email" class="form-control" name="email" required autofocus placeholder="Email">
</div>
<div class="input-group mb-3">
<input type="password" class="form-control" name="password" placeholder="Password">
</div>
<div class="row">
<div class="col-8">
<a href="<?php echo base_url ?>">Go to Website</a>
</div>
<div class="col-4">
<button type="submit" class="btn btn-primary btn-block">Sign In</button>
</div>
<div class="col-12 text-center">
<a href="<?php echo base_url ?>register.php">Register</a>
</div>
</div>
</form>
</div>
</div>
</div>
</div>
<script>
$(document).ready(function(){
end_loader();
$('#ulogin-form').submit(function(e){
e.preventDefault()
var _this = $(this)
var el = $('<div>')
el.addClass('alert alert-danger err_msg')
el.hide()
$('.err_msg').remove()
if($('#password').val() != $('#cpassword').val()){
```



```

        el.text('Password does not match')
        _this.prepend(el)
        el.show('slow')
        $('html, body').scrollTop(0)
        return false;
    }
    if(_this[0].checkValidity() == false){
        _this[0].reportValidity();
        return false;
    }
    start_loader()
    $.ajax({
        url:_base_url_"classes/Login.php?f=login_customer",
        method:'POST',
        type:'POST',
data:new FormData($(this)[0]),
        dataType:'json',
        cache:false,
        processData:false,
        contentType: false,
        error:err=>{
            console.log(err)
            alert('An error occurred')
            end_loader()
        },
        success:function(resp){
            if(resp.status == 'success'){
                location.href = ('./')
            }else if(!resp.msg){
                el.html(resp.msg)
                el.show('slow')
                _this.prepend(el)
                $('html, body').scrollTop(0)
            }else{
                alert('An error occurred')
                console.log(resp)
            }
            end_loader()
        }
    })
    })
    })
    })
</script>
</body>
</html>

```

product_index.php

```

<style>
.product-img-holder{
width:100%;
height:15em;
overflow:hidden;
}
.product-img{
width:100%;
height:100%;
object-fit: cover;
object-position: center center;
transition: all .3s ease-in-out;

```

[illegible]**viewproduct.php**

```
<?php
if(isset($_GET['id']) && $_GET['id'] > 0){
    $qry = $conn->query("SELECT p.*, c.name as `category`, (COALESCE((SELECT SUM(quantity) FROM `stock_list`
    where product_id = p.id and (expiration IS NULL or date(expiration) > '".date("Y-m-d")."')) , 0) -
    COALESCE((SELECT SUM(quantity) FROM `order_items` where product_id = p.id), 0)) as `available` from
    `product_list` p inner join `category_list` c on p.category_id = c.id where p.id = '{$_GET['id']}' and p.delete_flag = 0
    ");
```

```

if($qry->num_rows > 0){
foreach($qry->fetch_assoc() as $k => $v){
$$k=$v;
}
}else{
echo "<script> alert('You dont have access for this page'); location.replace('/');</script>";
}
}else{
echo "<script> alert('You dont have access for this page'); location.replace('/');</script>";
}
?>
<style>
#product-img{
max-width:100%;
max-height:35em;
object-fit:scale-down;
object-position:center center;
}
</style>
<section class="py-3">
<div class="container">
<div class="content py-5 px-3 bg-gradient-lightblue">
<h2><b>Product Details</b></h2>
</div>
<div class="row mt-lg-n4 mt-md-n4 justify-content-center">
<div class="col-lg-10 col-md-10 col-sm-12 col-xs-12">
<div class="card rounded-0">
<div class="card-body">
<div class="container-fluid">
<center>
" alt="<?= isset($name) ? $name : "" ?>"
class="img-thumbnail p-0 border" id="product-img">
</center>
<dl>
<dt class="text-muted">Brand</dt>
<dd class="pl-4"><?= isset($brand) ? $brand : "" ?></dd>
<dt class="text-muted">Name</dt>
<dd class="pl-4"><?= isset($name) ? $name : "" ?></dd>
<dt class="text-muted">Dose</dt>
<dd class="pl-4"><?= isset($dose) ? $dose : "" ?></dd>
<dt class="text-muted">Category</dt>
<dd class="pl-4"><?= isset($category) ? $category : "" ?></dd>
<dt class="text-muted">Description</dt>
<dd class="pl-4"><?= isset($description) ? str_replace(["\n\r", "\n", "\r"], "<br>", $description) : "" ?></dd>
<dt class="text-muted">Price</dt>
<dd class="pl-4"><?= isset($price) ? format_num($price,2) : "" ?></dd>
<dt class="text-muted">Available Stock</dt>
<dd class="pl-4"><?= isset($available) ? format_num($available,0) : "" ?></dd>
</dl>
</div>
</div>
<div class="card-footer py-1 text-center">
<?php if($_settings->userdata('id') != "" && $_settings->userdata('login_type') == 2): ?>
<button type="button" id="add_to_cart">Add to Cart</button>
<?php else: ?>
<a href="/login.php" > Add to Cart</a>
<?php endif; ?>
<a class="btn btn-light btn-sm bg-gradient-light border rounded-0" href="/?p=products">Back to List</a>
</div>
</div>
</div>
</div>

```

```

</div>
</section>
<script>
    $(function(){
        $('#add_to_cart').click(function(){
            _conf("Are you sure to add this product to your cart?", "add_cart",[])
        })
    })
    function add_cart(){
        start_loader();
        $.ajax({
            url:_base_url_+"classes/Master.php?f=add_to_card",
            method:"POST",
            data:{product_id: "<?=" . isset($id) . " ? $id : " . ">"},
            dataType:"json",
            error:err=>{
                console.log(err)
                alert_toast("An error occured.", 'error');
            },
            success:function(resp){
                if(typeof resp== 'object' && resp.status == 'success'){
                    location.reload();
                }else if(!resp.msg){
                    alert_toast(resp.msg, 'error');
                }else{
                    alert_toast("An error occured.", 'error');
                }
            }
        })
    }
</script>

```

cart_list.php

```

<style>
.product-logo{
width:7em;
height:7em;
object-fit:cover;
object-position:center center
}
</style>
<section class="py-3">
<div class="container">
<div class="content px-3 py-5 bg-gradient-maroon">
<h3 class=""><b>Cart List</b></h3>
</div>
<div class="row mt-n4 justify-content-center align-items-center flex-column">
<div class="col-lg-10 col-md-11 col-sm-12 col-xs-12">
<div class="card rounded-0 shadow">
<div class="card-body">
<div class="container-fluid">
<div id="item_list" class="list-group">
<?php $gt = 0;
$cart = $conn->query("SELECT c.*, p.name as product, p.brand as brand, p.price, cc.name as category, p.image_path,
(COALESCE((SELECT SUM(quantity) FROM `stock_list` where product_id = p.id and (expiration IS NULL or
date(expiration) > '".date("Y-m-d")."') ), 0) - COALESCE((SELECT SUM(quantity) FROM `order_items` where
product_id = p.id), 0)) as `available` FROM `cart_list` c inner join product_list p on c.product_id = p.id inner join
category_list cc on p.category_id = cc.id where customer_id = '{$_settings->userdata('id')} '");
while($row = $cart->fetch_assoc());

```

28

```

data: {cart_id : cart_id, qty :qty},
dataType:'json',
error:err=>{
    console.log(err)
    alert_toast("An error occurred.", 'error')
end_loader()
},
success:function(resp){
    if(resp.status == 'success'){
        location.reload()
    }else{
        alert_toast("An error occurred.", 'error')
    }
    end_loader()
}
}))
}
$(function(){
    $('.add-qty').click(function(){
        var item = $(this).closest('.cart-item')
        var qty = parseFloat(item.find('.qty').val())
        var id = item.attr('data-id')
        var max = item.attr('data-max')
        if(qty == max)
            qty = max;
        else
            qty += 1;
        item.find('.qty').val(qty)
        update_item(id, qty)
    })
    $('.minus-qty').click(function(){
        var item = $(this).closest('.cart-item')
        var qty = parseFloat(item.find('.qty').val())
        var id = item.attr('data-id')
        if(qty == 1)
            qty = 1;
        else
            qty -= 1;
        item.find('.qty').val(qty)
        update_item(id, qty)
    })
    $('.del-item').click(function(){
        var item = $(this).closest('.cart-item')
        var id = item.attr('data-id')
        _conf("Are you sure to remove this item from your cart?", "delete_cart", [id])
    })
    })
    function delete_cart($id){
        start_loader();
        $.ajax({
            url:_base_url_+"classes/Master.php?f=delete_cart",
            method:"POST",
            data:{id: $id},
            dataType:"json",
            error:err=>{
                console.log(err)
                alert_toast("An error occurred.", 'error');
            },
            success:function(resp){
                if(typeof resp== 'object' && resp.status == 'success'){
                    location.reload();
                }
            }
        })
    }
}

```

```

    }else{
        alert_toast("An error occurred.", 'error');
        end_loader();
    }
}
})
}
</script>

```

[illegible]

```

$(function(){
$('#order-form').submit(function(e){
e.preventDefault()
start_loader()
$.ajax({
url:_base_url_+'classes/Master.php?f=place_order',
method:'POST',
data: $(this).serialize(),
dataType:'json',
error:err=>{
console.log(err)
alert_toast("An error occurred.",'error')
end_loader()
},
success:function(resp){
if(resp.status == 'success'){
location.replace('/')
}else{
alert_toast("An error occurred.",'error')
}
end_loader()
}
})
})
})
})

```

</script>

contact.php

```

<div class="container">
<div class="row mt-lg-n1 mt-md-n4 justify-content-center" >
<div class="col-lg-6 col-md-6 col-sm-12 col-xs-12">
<div class="card rounded-0">
<div class="card-body" >
<h3 class="text-center"><b>Contact Us</b></h3>
<center><hr style="height:2px;width:5em;opacity:1" class="bg-lightblue"></center>
<dl>
<dt class="text-muted">Email</dt>
<dd class="pl-3"><?php echo 'medicare@yahoo.com'?></dd>
<dt class="text-muted">Telephone</dt>
<dd class="pl-3"><?php echo '040-4200-4200' ?></dd>
<dt class="text-muted">Mobile and WhatsApp</dt>
<dd class="pl-3"><?php echo '+91 98765 56789' ?></dd>
<dt class="text-muted">Address</dt>
<dd class="pl-3"><?php echo'Medicare pvt ltd, 7 Roads, Kadapa-516001' ?></dd>
</dl>
</div>
</div>
</div>
</div>
</div>

```

about.html

```

<html>
<title>About</title>

<body >
<div style="font-size:0.7cm;height:10%;width:100%;">
<center><h2 style="color:black;font-family:Algerian;">About US</h2></center>
</div>

```



```

<center>
<p style="font-size:0.5cm;font-family:Calibri;">
Medicare is an Online Pharmacy. Its a one stop shop that offers effective Medical products,to all those individuals who
are health enthusiasts.
Providing at the lowest guaranteed price - with the highest pharmaceutical standards and no Shipping Charges.
We offer premium and the largest range of original health and fitness products across various categories and leading
brands.
We dedicate this portal to all those people who are keen to purchase healthcare products online.The aim is to supply
cheaper products to everybody who has access to the internet and deliver those products to their door.
Through harnessing the power of the internet and supplying you directly, this website will save up to 75% off the cost
of many well known products found in your local Medical Shop.
</p>
<p style="font-size:0.5cm;font-family:Calibri;">
We aim at covering various healthcare categories comprehensively which include Diabetes,Nutrition,Sports and
fitness,Mother and Baby Care.
We enjoy comprehensive understanding of the shopper's needs and make our best efforts to cater them with an
extensive choice of both Indian and global brands. Offering a superior buying experience, we endow our esteemed
customers with the best prices in market. we strive to achieve the highest level of customer satisfaction.
Equipped with a well-informed team, using state of the art E-commerce platform, and prompt customer support
system,
we aim to offer our customers with unparalleled services.

The service is supervised by fully qualified pharmacists who are available to discuss symptoms and issues
about medical problems in a confidential environment through email and oversee all medicinal purchases.
<center><b><i>So, make a move and Happy Shopping !!!!</i></b></center>
</p>
</center>
</body>
</html>

```

master.php

```

<?php
Class Master extends DBConnection {
    private $settings;
    public function __construct(){
        global $_settings;
        $this->settings = $_settings;
        parent::__construct();
    }
    public function __destruct(){
        parent::__destruct();
    }
    function capture_err(){
        if(!$this->conn->error)
            return false;
        else{
            $resp['status'] = 'failed';
            $resp['error'] = $this->conn->error;
            return json_encode($resp);
            exit;
        }
    }
    function add_to_card(){
        extract($_POST);
        $check = $this->conn->query("SELECT id FROM `cart_list` where customer_id = '{$this->settings-
        >userdata('id')}' and product_id = '{$product_id}'")->num_rows;
        if($check > 0 ){ $resp['status'] = 'failed';
        $resp['msg'] = "Product already exist in your cart.";
        }else{

```

```

        $insert = $this->conn->query("INSERT INTO `cart_list` (`customer_id`, `product_id`, `quantity`) VALUES
        ('{$this->settings->userdata('id')}', '{$product_id}', '1') ");
        if($insert){
            $resp['status'] = 'success';
        }else{
            $resp['status'] = 'failed';
            $resp['error'] = $this->conn->error;
        }
        return json_encode($resp);
    }

function delete_cart(){
    extract($_POST);
    $delete = $this->conn->query("DELETE FROM `cart_list` where id = '{$id}'");
    if($delete){
        $resp['status'] = 'success';
    }else{
        $resp['status'] = 'failed';
        $resp['error'] = $this->conn->error;
    }
    return json_encode($resp);
}

function place_order(){
    extract($_POST);
    $_POST['delivery_address'] = addslashes(htmlspecialchars($_POST['delivery_address']));
    $customer_id = $this->settings->userdata('id');
    $pref = date("Ymd");
    $code = sprintf("%'.05d", 1);
    while(true){
        $check = $this->conn->query("SELECT id FROM `order_list` where `code` = '{$pref}{$code}'")->num_rows;
        if($check > 0){
            $code = sprintf("%'.05d",abs($code) + 1);
        }else{
            $code = $pref.$code;
            break;
        }
    }
    $insert = $this->conn->query("INSERT INTO `order_list` (`code`, `customer_id`, `delivery_address`, `total_amount`)
    VALUES ('{$code}', '{$customer_id}', '{$delivery_address}', '{$total_amount}') ");
    if($insert){
        $oid = $this->conn->insert_id;
        $data = "";
        $cart = $this->conn->query("SELECT c.*, p.name as product, p.brand as brand, p.price, cc.name as category,
        p.image_path, COALESCE((SELECT SUM(quantity) FROM `stock_list` where product_id = p.id and (expiration IS
        NULL or date(expiration) > '".date("Y-m-d")."' ), 0) as `available` FROM `cart_list` c inner join product_list p on
        c.product_id = p.id inner join category_list cc on p.category_id = cc.id where customer_id = '{$customer_id}' ");
        while($row = $cart->fetch_assoc()){
            if(!empty($data)) $data .= ", ";
            $data .= "({$oid}, '{$row['product_id']}', '{$row['quantity']}', '{$row['price']}')";
        }
        endwhile;
        if(!empty($data)){
            $sql = "INSERT INTO order_items (`order_id`, `product_id`, `quantity`, `price`) VALUES {$data}";
            $save = $this->conn->query($sql);
            if($save){
                $resp['status'] = 'success';
                $this->conn->query("DELETE FROM `cart_list` where customer_id = '{$customer_id}'");
            }else{
                $resp['status'] = 'failed';
                $resp['error'] = $this->conn->error;
            }
        }
    }
}

```

```

$this->conn->query("DELETE FROM `order_list` where id = '{$oid}'");
}
}else{
$resp['status'] = 'success';
}
}else{
$resp['status'] = 'failed';
$resp['error'] = $this->conn->error;
}

if($resp['status'] == 'success'){
$this->settings->set_flashdata('success', 'Order has been placed successfully.');
```

```

}
return json_encode($resp);
}
function update_cart(){
    extract($_POST);
    $update = $this->conn->query("UPDATE `cart_list` set quantity = '{$qty}' where id = '{$cart_id}'");
    if($update){
        $resp['status'] = 'success';
    }else{
        $resp['status'] = 'failed';
        $resp['error'] = $this->conn->error;
    }
    return json_encode($resp);
}
}

$Master = new Master();
$action = !isset($_GET['f']) ? 'none' : strtolower($_GET['f']);
$sysset = new SystemSettings();
switch ($action) {
    case 'add_to_card':
        echo $Master->add_to_card();
        break;
    case 'delete_cart':
        echo $Master->delete_cart();
        break;
    case 'place_order':
        echo $Master->place_order();
        break;
    case 'update_cart':
        echo $Master->update_cart();
        break;
    default:
        // echo $sysset->index();
        break;
}

```

TESTING:

The next process in developing a software after coding is testing. In Coding stage developer will do white box testing. Here Test Engineers perform Black Box testing and various types of testings like performance testing, system testing, user acceptance testing.

Here the Online Medical Store System will be deployed to server and testing will start. The goal of the system testing process was to determine all faults in our project. The program was subjected to a set of test inputs and many explanations were made and based on the explanations it will be decided whether the program behaves as expected or not.

Our Project went through two levels of testing

1. Unit testing

Unit testing is commenced when a unit has been created and effectively reviewed. In order to test a single module we need to provide a complete environment i.e. besides the section we would require the procedures belonging to other units that the unit under test calls. Non-local data structures that module accesses. A procedure to call the functions of the unit under test with appropriate parameters.

Here we tested Customer Module and Admin Module Separately. And check whether there was any bugs. If found then they will be rectified.

2. Integration testing

Integration testing -- also known as integration and testing (I&T) -- is a type of software testing in which the different units, modules or components of a software application are tested as a combined entity. However, these modules may be coded by different programmers. The aim of integration testing is to test the interfaces between the modules and expose any defect that may arise when these components are integrated and need to interact with each other. Here We performed integration testing by combining all modules and checked the data flow from database to system and vice versa.

CONCLUSION AND FUTURE SCOPE:

The web application “Online Medical Store Automation System” doesn’t contain all features. In future we would like to add a communication like a chat box for user to communicate at the point to administration. We would also like to add Doctor Consultation on Online with help patients with less/mild problems. They can consult doctor online and buy medicines according to the prescription.

Hence we are trying to implement a web based on online medicine buying system that helps old people or people who can’t buy medicine manually. And also this website will work greatly in LockDown Situations.

REFERENCES:

The needed requirements for this project has been taken a reference from online medicine shop websites like

www.apollopharmacy.com

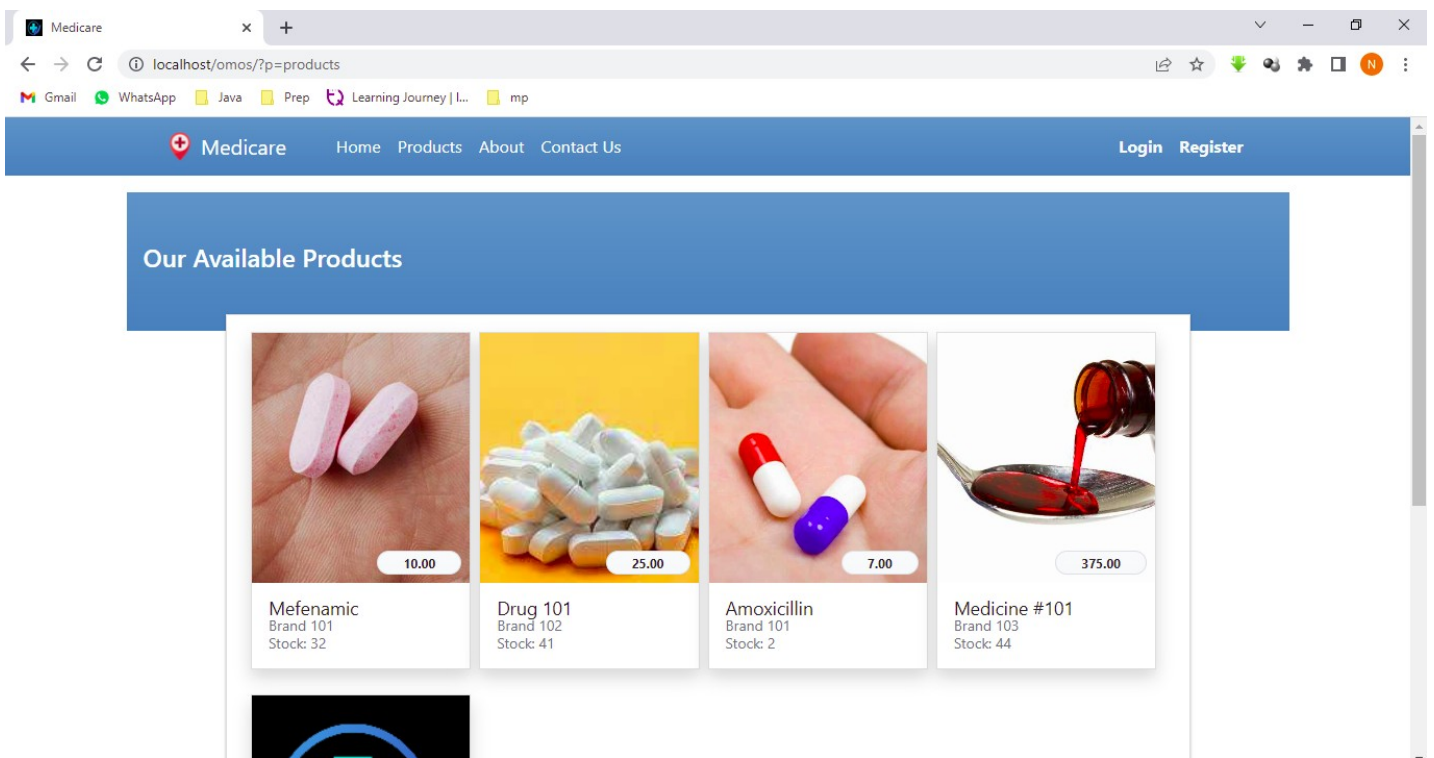
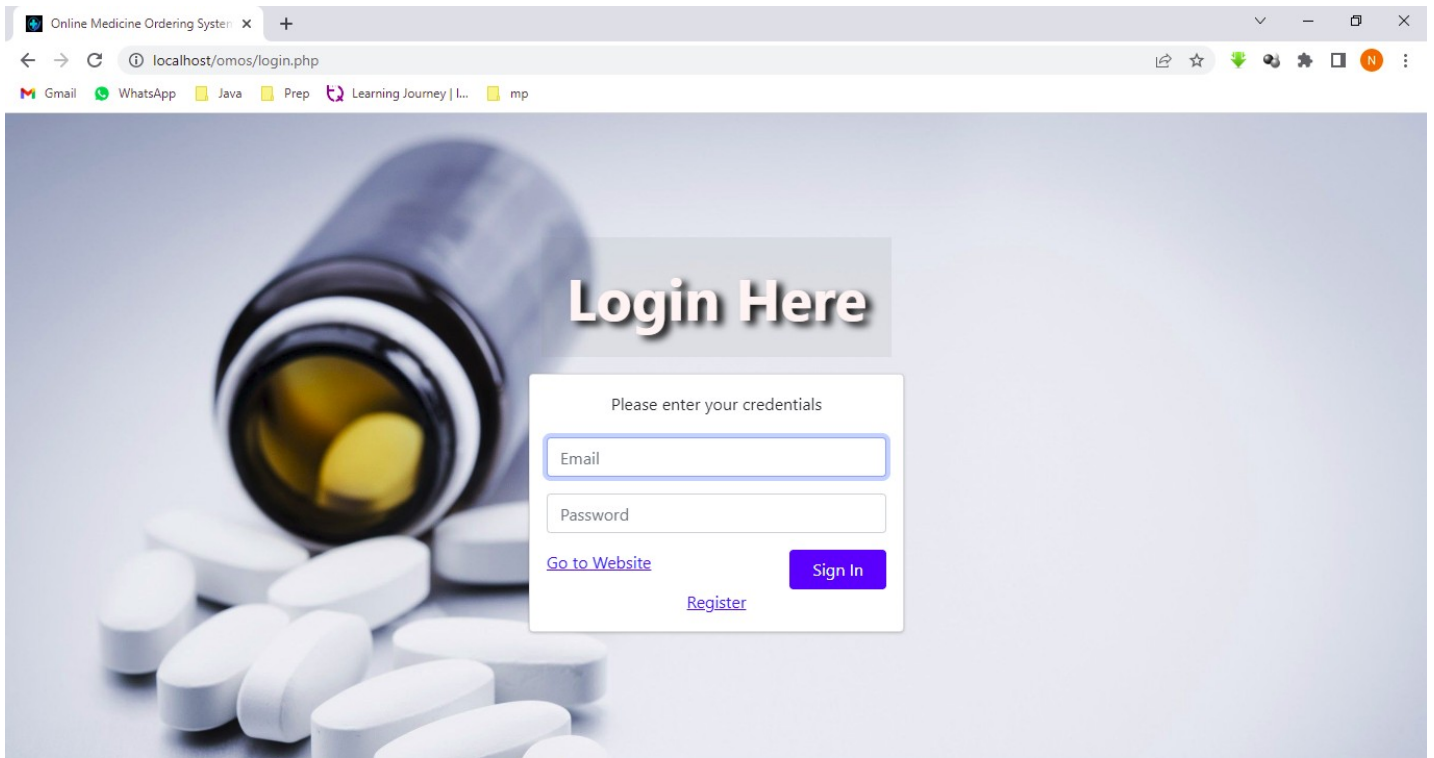
www.mediplus.com

http://en.wikipedia.org/wiki/Software_development_process

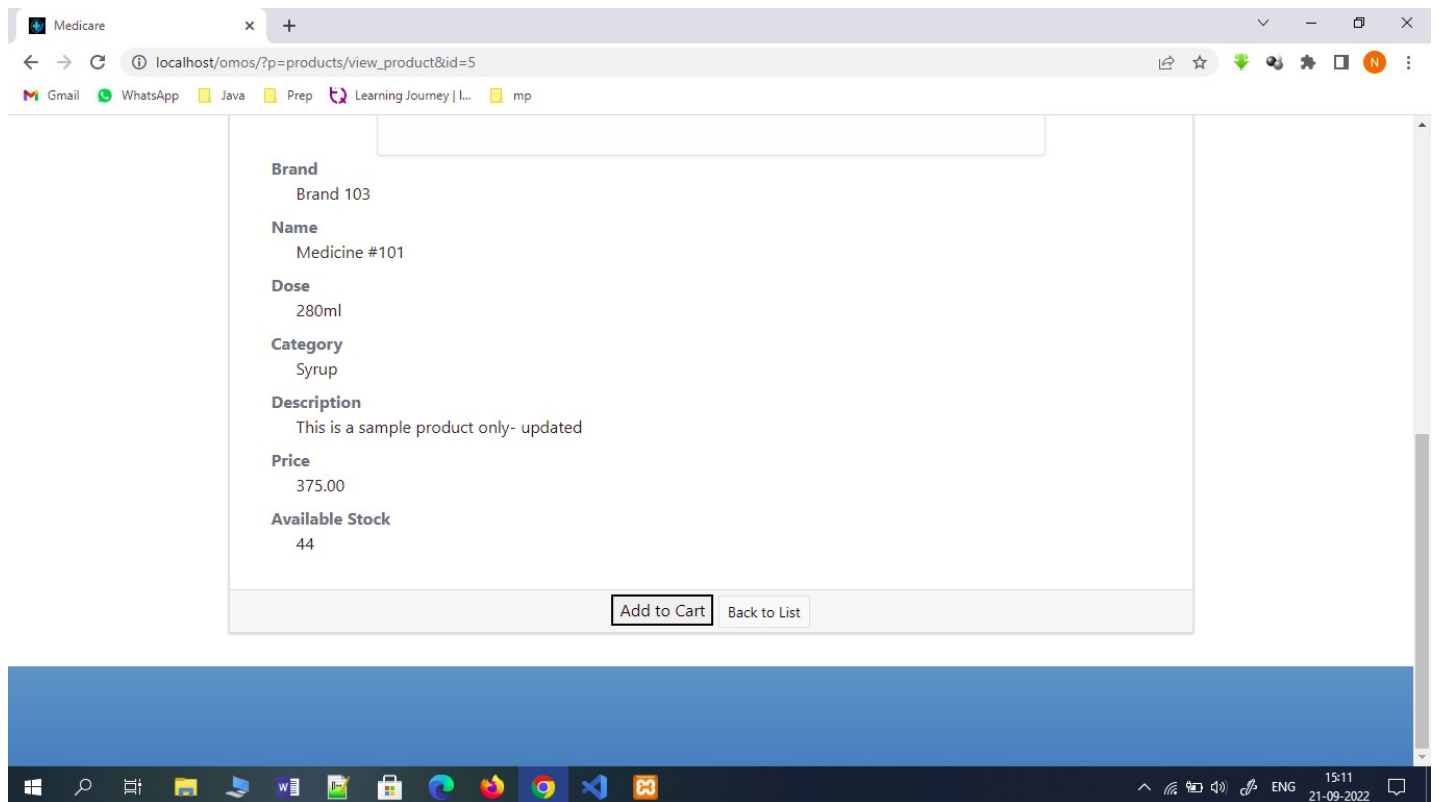
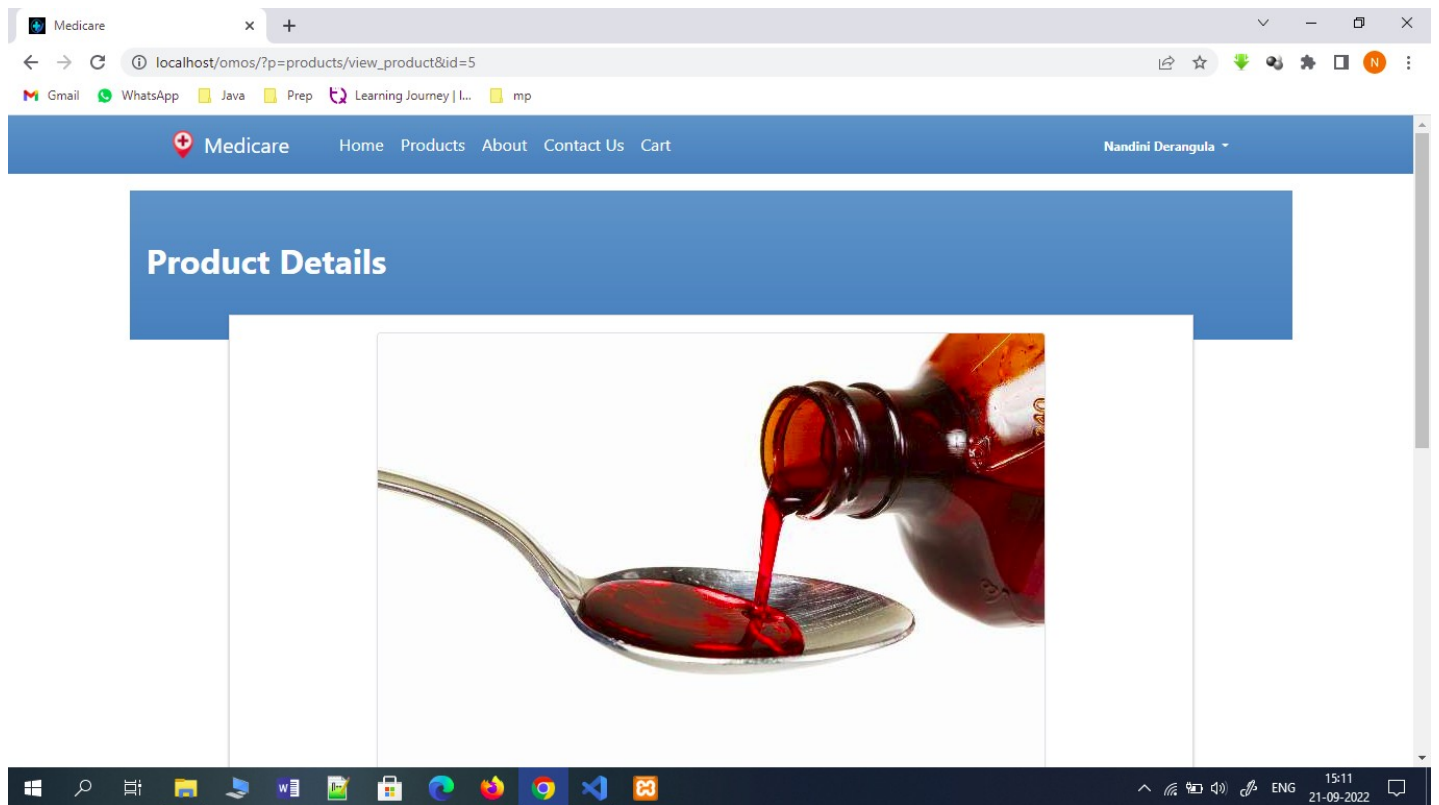
<https://creately.com/blog/diagrams/uml-diagram-types-examples/>

<https://www.javatpoint.com/software-testing-tutorial>

OUT PUT:



OUT PUT:






OUT PUT:

Medicare

localhost/omos/?p=cart_list

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Cart List

	Drug 102 Brand 103 Tablet	20.00
	Amoxicillin Brand 101 Capsule	7.00
	Medicine #101 Brand 103 Syrup	375.00

Grand Total: 402.00

Checkout

Windows taskbar: 15:12 21-09-2022

Medicare

localhost/omos/?p=checkout

Gmail WhatsApp Java Prep Learning Journey | I... mp

Medicare Home Products About Contact Us Cart Nandini Derangula

Cart List

Total: 402.00

Delivery Address

T74, GH2, RGUKT, RK- Valley, Idupulapaya, vempalli, Kadapa-51633d

Place Order

Windows taskbar: 15:14 21-09-2022

OUT PUT:

